



COMPANY
catalogue

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INTRODUCTION

Alternative Conveyor Supplies Ltd (**ACS GHANA**) is a privately registered company limited by shares under the companies ACT, 1963(ACT 179) of Ghana. Established in July 2020, the company specialize in the supplies and maintenance of mining and industrial conveyor systems as well as screening solutions across Ghana and wider west Africa region. In 2021, leveraging a highly experienced technical team, ACS expanded its operation to include the design and manufacturing of belt conveyor systems for the aggregate and manufacturing industries. ACS is also the official distributor of FOURTHANE products (fourthane red LB, Fourthane black 5711 etc.) , SELFLEX belt fasteners solutions, AOKMAN drives and REDSTAR WIRE MESH in Ghana.



MISSION STATEMENT

ACS Ghana is committed to meet the needs and expectations of our cherish clients by providing them with best alternative solutions.

VISION

Our aim is to become the leading alternative conveyor solutions provider in Ghana and Africa as a whole.

OUR CORE VALUES

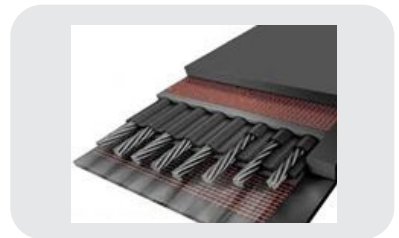
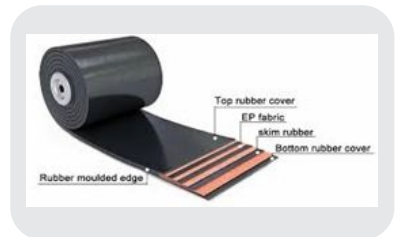
- Integrity
- Customers focus
- Time Conscious
- Respect

PRODUCTS AND SERVICE

Alternative Conveyor Supplies Ltd main focus is to provides alternative cost-effective solutions to Ghanaian Mining, Aggregate and food processing industries by supplies of quality conveyor components from reliable manufacturers as well as designing and manufacturing of belt conveyors locally by our team. The products we deal currently are as follows: Our company supplies both heavy-duty rubber conveyor belts use in mining and aggregate industry as well as light-duty FDA certified food-grade conveyor belts use in manufacturing industry.

Rubber conveyor belts

Our company constantly holds stock of heavy-duty ply reenforced and steel cord re-inenforced rubber conveyor belts for mining, aggregate and general-purpose applications from reliable manufacturers; we have both Un-branded and branded belts like Dunlop. Most of our belts are abrasion resistant (AR) and fire resistant (FR) purposely manufactured for Mining and aggregate industries. Belts widths range from 500mm to 1600mm, EP400, EP630, EP800 and EP1000 with thickness 7mm to 20mm, standard grade: DIN Y, M, Z, X, M-24 as well steel cord rubber conveyor belts.



conveyor belt solutions

ACS Ghana is the official distributor of **FOURTHANE ENGINEERING LTD's** products such as **Fourthane Red LB**.

Fourthane Red LB: is a flexible polymer with high resistant to cutting, impact and abrasion for longitudinal sheering, belt edge damaged or ripped off and recovering of worn top covers of conveyor belt. Estimated curing time is 30-45minutes depending on ambient temperature. It comes with resin, catalyst, primer, cleaning agent in 75g each kit.

Key Features and Benefits

High Durability: Offers high resistance to cutting, impact, and heavy abrasion, similar to the original rubber of the conveyor belt.

Rapid Curing: Reaches a hardness of over 80-85 Shore A quickly, which significantly reduces operational downtime and costs.

High Flexibility: Designed for applications requiring high stress resistance due to flexion, making it ideal for "light" belts.

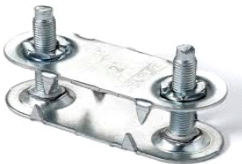
Easy Application: Can be applied as a viscous liquid using a spatula or similar tool by minimal personnel.



Fourthane Silver Pulley: for partial repairs of damaged lagging or complete coating of pulleys, when fourthane silver pulley is applied, it expands service life 4x compare to traditional rubber or ceramic lagging sheet.



SELFLEX belt fasteners: our company is a distributor of SELFLEX belt fasteners and its installation tools in Ghana, the quality of this brand equivalent to flexco brand. Usually, we have stock of 1.5E, 2E and 2.5E as well as installation tools such power punch compatible with flexco quick CC and power wrench compatible with flexco QCC.



Screening Media Solution

Screening media are the replaceable, high-wear surface (mesh, rubber, or polyurethane) on vibrating screens used to separate materials by sizes in mining, quarrying, and industrial applications. PU panels Primarily used in wet screening, providing high durability and accurate separation, especially in fine to medium-sized application. Woven vibrating screen mesh is the most popular and widely used type of vibrating screen mesh that has high tensile strength, rust and corrosion resistance to separate all kinds of gravels, rocks and other materials. Usually, we keep stock of mesh with aperture from 3mm -70mm and with the help of our CNC hydraulic press brake, our engineers are able to customized wire woven screen mesh to fit any screen deck by bending the hooks.



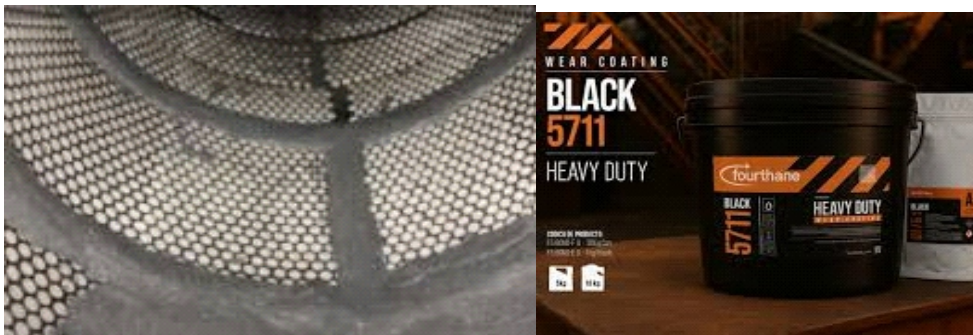
Plant And Equipment Solutions

Mining plant equipment is constantly exposed to extreme heavy impact, abrasion and aggressive condition and without proper protection critical equipment face premature wear, unplanned downtime and high maintenance cost.

Fourthane's plant and equipment solutions are engineered to protect, repairs and extend service life of critical assets such as SAG mills, chutes, hoppers, trommel mills and other equipment exposed to high abrasion and impact.

FOURTHANE BLACK 5711-It is a two-component, 100% solid, fast-curing polymeric compound, formulated based on epoxy reinforced with 3mm ceramic beads and silicon carbide, specially designed to protect against abrasion due to the effect of fine particles, recommended for coatings from 6 to 15mm. Highly resistant abrasion coating:

- Pulp distributor drawers.
 - Trommel tank.
 - SAG and ball mill; Feeding and discharge covers, Chute pants,
 - Trommel cap.
 - Feed chutes for flotation mills.
 - Caulking discharge chutes on Lifter.
- Impact bed line



FOURTHANE SILVER LINE- it is a two- component polymer putty with resistant to abrasion and high impact use in concentrator plants for mills repairs such as SAG mills , ball mill, shells caulking, feed covers, discharge cover and cylinder, pulp lifters, discharge cone feeder trunnion, discharge trunnion, trommel structure etc It also has excellent adhesion to metal, concrete, ceramic and rubber, it is ideal for vertical walls as it is thixotropic and does not run. Estimated functional curing time is 4 -6 hours depending on the ambient temperature.



CONVEYOR ROLLERS, PULLEYS AND FRAMES

Our rollers are imported from well-experienced manufacturers from Turkey and India with pipe diameters of 89mm, 101mm, 127mm and 133mm for mining, quarry, cement plants and general applications. We keep stock of carrying rollers, return rollers, guide rollers and impact rollers; with the help of our well experienced machinist, we fabricate pulleys of various diameters in our own workshop. Carrier rollers' frames and return roller brackets are designed and manufactured in our workshop.



CONVEYOR GEARBOXES\ GEARREDUCERS

ACS Ghana is the distributor of AOKMAN's products in Ghana, well known manufacturer of conveyor gearboxes or gear reducers since 1982. ATAS series gearboxes is of same dimension with Bonfiglioli (TAS series), these are widely used in mining and quarry industries because:

features

- Absolute reliability and low maintenance for the quarry and mine applications
- Sturdy ductile iron housing suitable for outdoor installation
- Up to three optional output shaft bore diameters
- Output shaft rotation in two directions: clockwise (Default) and counterclockwise (Customized)
- Optional backstop for all models (Excluded ATA30) to prevent back driving in case of incline conveyors
- Dimensions are same with Bonfiglioli (TA Series)
- Double lips oil seal combines the functions of seal and dust-proof
- Widely used in belt conveyor and pulley drive system

ATA Series Shaft mounted Gearbox

Rated power: 1.1kw -193kw

Rated Torque: 180-17000N.m

Gear Profile: Hardened Helical Gears

Input Speed: 1400, 900, 500r/min

Output speed: 25-300r/min

Ratio: 5,7,10, 15... 20,25, 31

Installation Form: Hanging Shaft Mounted

Back stop : optional

Models:

ATA30, ATA35, ATA40, ATA45, ATA50, ATA60,
ATA70 ATA80, ATA100, ATA125

PARAMETERS:

MODEL	OUTPUT BORE DIAMETER	MAXIMUM TORQUE
ATA30	30mm	180Nm
ATA35	35mm	420Nm
ATA40	40mm/45	950Nm
ATA45	45mm/45/50mm	1400Nm
ATA50	50mm/55mm/60mm	2300Nm
ATA60	60mm/70mm	3600Nm
ATA70	70mm/85mm	5100Nm
ATA80	80mm/100mm	7000Nm
ATA100	100mm/125mm	11000Nm
ATA125	125mm/135mm	17000Nm



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